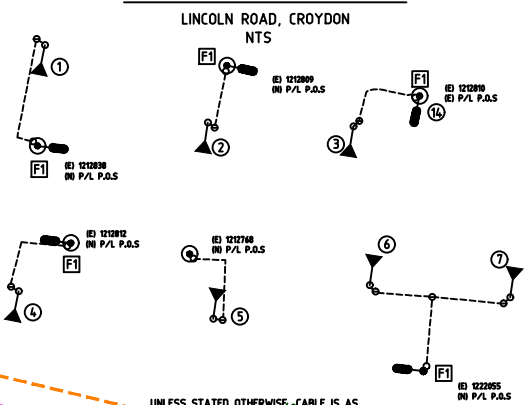


DESCRIPTION	LABEL	CABLE SIZE	FUSE SIZE	TYPE
(E) 1212838	P/L SUPPLY TO 2601709620	16mm <sup>2</sup> 2/C	20A	HRC
(E) 1212809	P/L SUPPLY TO 2601709621	16mm <sup>2</sup> 2/C	20A	HRC
(E) 1212810	P/L SUPPLY TO 2601709622	16mm <sup>2</sup> 2/C	20A	HRC
(E) 1212812	P/L SUPPLY TO 2601709623	16mm <sup>2</sup> 2/C	20A	HRC
(E) 1212772	P/L SUPPLY TO 2601709624	16mm <sup>2</sup> 2/C	20A	HRC
(E) 1222055	P/L SUPPLY TO 2601709625 & 2601709626	16mm <sup>2</sup> 2/C	20A	HRC

PUBLIC LIGHTING LV SCHEMATIC DIAGRAM

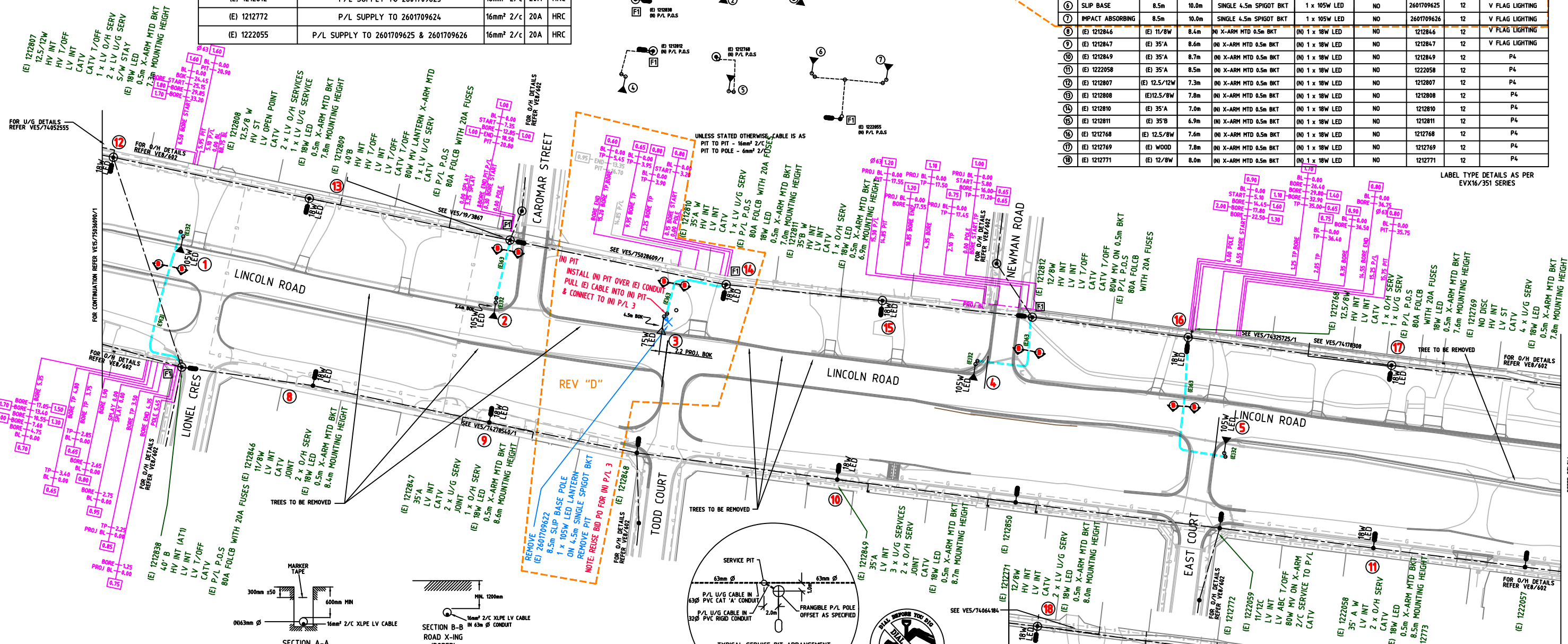


11/09/2019  
PROJECT No. 75060359  
PM : PAUL KEMPTON  
PH : (03) 9237 4517

INSTALLATION SCHEDULE

POLE No.	POLE TYPE	POLE LENGTH (m)	MOUNT'G HEIGHT (m)	BRACKET O'REACH (m)	LUMINAIRE	COST SHARED	CAM NUMBERS	LABEL TYPE	LIGHTING CATEGORY
1	IMPACT ABSORBING	8.5m	10.0m	SINGLE 4.5m SPIGOT BKT	1 x 105W LED	NO	2601709620	12	V FLAG LIGHTING
2	SLIP BASE	8.5m	10.0m	SINGLE 4.5m SPIGOT BKT	1 x 105W LED	NO	2601709621	12	V FLAG LIGHTING
3	11/8W	11.0m	8.0m	6.0m INCLINED ARM BKT	1 x 75W LED	NO	2601709622	12	V FLAG LIGHTING
4	SLIP BASE	8.5m	10.0m	SINGLE 4.5m SPIGOT BKT	1 x 105W LED	NO	2601709623	12	V FLAG LIGHTING
5	SLIP BASE	8.5m	10.0m	SINGLE 4.5m SPIGOT BKT	1 x 105W LED	NO	2601709624	12	V FLAG LIGHTING
6	SLIP BASE	8.5m	10.0m	SINGLE 4.5m SPIGOT BKT	1 x 105W LED	NO	2601709625	12	V FLAG LIGHTING
7	IMPACT ABSORBING	8.5m	10.0m	SINGLE 4.5m SPIGOT BKT	1 x 105W LED	NO	2601709626	12	V FLAG LIGHTING
8	(E) 1212846	(E) 11/8W	8.4m	(N) X-ARM MTD 0.5m BKT	(N) 1 x 18W LED	NO	1212846	12	V FLAG LIGHTING
9	(E) 1212847	(E) 35'A	8.6m	(N) X-ARM MTD 0.5m BKT	(N) 1 x 18W LED	NO	1212847	12	V FLAG LIGHTING
10	(E) 1212849	(E) 35'A	8.7m	(N) X-ARM MTD 0.5m BKT	(N) 1 x 18W LED	NO	1212849	12	P4
11	(E) 1222058	(E) 35'A	8.5m	(N) X-ARM MTD 0.5m BKT	(N) 1 x 18W LED	NO	1222058	12	P4
12	(E) 1212807	(E) 12.5/12W	7.3m	(N) X-ARM MTD 0.5m BKT	(N) 1 x 18W LED	NO	1212807	12	P4
13	(E) 1212808	(E)12.5/8W	7.8m	(N) X-ARM MTD 0.5m BKT	(N) 1 x 18W LED	NO	1212808	12	P4
14	(E) 1212810	(E) 35'A	7.0m	(N) X-ARM MTD 0.5m BKT	(N) 1 x 18W LED	NO	1212810	12	P4
15	(E) 1212811	(E) 35'A	6.9m	(N) X-ARM MTD 0.5m BKT	(N) 1 x 18W LED	NO	1212811	12	P4
16	(E) 1212768	(E) 12.5/8W	7.6m	(N) X-ARM MTD 0.5m BKT	(N) 1 x 18W LED	NO	1212768	12	P4
17	(E) 1212769	(E) WOOD	7.8m	(N) X-ARM MTD 0.5m BKT	(N) 1 x 18W LED	NO	1212769	12	P4
18	(E) 1212771	(E) 12/8W	8.0m	(N) X-ARM MTD 0.5m BKT	(N) 1 x 18W LED	NO	1212771	12	P4

LABEL TYPE DETAILS AS PER EXV16/351 SERIES

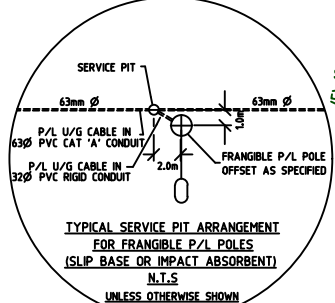


- NOTE:
- LIGHTING HAS BEEN DESIGNED BY AN AUSNET SERVICES (ACCREDITED LIGHTING DESIGNER) TO AS/NZS 1158 CATEGORY V FLAG LIGHTING FOR LINCOLN ROAD & P4 FOR SERVICE ROADS AS DESIGNATED BY COUNCIL UNLESS SHOWN OTHERWISE.
  - CONSTRUCTION BY DEVELOPER.
  - BEFORE ANY WORK COMMENCES THE ACCREDITED CONTRACTOR SHALL OBTAIN AN "ACC FORM" FROM AUSNET SERVICES REPRESENTATIVE FOR PERMISSION TO COMMENCE WORKS.
  - THE ACCREDITED CONTRACTOR SHALL ABIDE BY THIS PLAN AND THE TECHNICAL SPECIFICATION PROVIDED WITH THE AUSNET SERVICES OFFER. NOTIFICATION TO AUSNET SERVICES REPRESENTATIVE SHALL BE GIVEN WHEN WORK IS COMPLETE FOR FINAL INSPECTION TO BE INITIATED. CABLE DETAILS MUST BE OBTAINED USING A VEDM APPROVED CONTRACTOR.
  - EXISTING LIGHTING SHALL NOT BE RETIRED UNTIL NEW LIGHTING IS INSTALLED AND FULLY OPERATIONAL.
  - "AS BUILT" DRAWINGS SHALL BE PREPARED BY AN AUSNET SERVICES APPROVED DETAILER/DRAFTSPERSON AND SUBMITTED TO AUSNET SERVICES AT LEAST 7 DAYS PRIOR TO TIE IN FOR FINAL APPROVAL.
  - THE TIE IN SHALL BE CARRIED OUT BY THE ACCREDITED CONTRACTOR; AFTER A PRE-COMMISSION AUDIT PASS RESULT. FORMAL APPROVAL IS REQUIRED FROM AUSNET SERVICES LOCAL OPERATIONS GROUP TO ENERGISE THE INSTALLATION.
  - NST TESTING SHALL BE CARRIED OUT ON PUBLIC LIGHTING CIRCUITS PRIOR TO ENERGISATION. (TYPICALLY DP11-02 AND VX5/2036).
  - THE ACCREDITED CONTRACTOR SHALL INSTALL ALL THE ELECTRICAL PITS, CONDUITS AND CABLES FOR THE PUBLIC LIGHTING INSTALLATION TO THE SATISFACTION OF AUSNET SERVICES REPRESENTATIVE.
  - LIGHT POLES SHALL BE INSTALLED 1.5m B.O.K. ON SIDE OF ROAD UNLESS OTHERWISE SPECIFIED.
  - ALL FITTINGS SHALL BE IN ACCORDANCE WITH THE INSTALLATION SCHEDULE.
  - CLUE DILIGENCE CLAUSE: THE ACCREDITED CONTRACTOR IS RESPONSIBLE FOR MAINTAINING STATUTORY CLEARANCES (NO GO ZONES) TO ALL AUTHORITIES' UNDERGROUND AND OVERHEAD ASSETS, AT ALL TIMES. THE CONTRACTOR IS RESPONSIBLE FOR KNOWING THE LOCATION OF ALL ASSETS (DIAL BEFORE YOU DIG) AND MUST ARRANGE ON-SITE INSPECTIONS WITH ALL AUTHORITIES PRIOR TO THE COMMENCEMENT OF WORKS.
  - ALL LANTERNS (COMPLETE WITH PE CELL), POLES AND PITS SHALL BE AUSNET SERVICES APPROVED AND ARE TO COMPLY WITH VICTORIAN ELECTRICITY SUPPLY INDUSTRY SPECIFICATIONS AND REQUIREMENTS.
  - ALL BRACKETS SHALL BE CURVED VIGI STANDARD POWER AUTHORITY TYPE.
  - CONDUITS SHALL BE HEAVY DUTY RIGID SOLID PVC TO AS 2053 (TO THE MINIMUM 1984 STANDARDS), COLOURED, ORANGE, SANDWICH, COREFOLO OR CORRUGATED TYPES ARE NOT ACCEPTABLE.
  - ORANGE MARKER TAPE IN ACCORDANCE WITH AS/NZS 2648.1 SHALL BE INSTALLED TO 300mm BELOW SURFACE LEVEL ±50mm OF ALL NON-BORED CONDUITS.
  - ALL EQUIPMENT SUPPLIED SHALL BE NEW.
  - LIGHT POLES SHALL BE INSTALLED WITH A MINIMUM CLEARANCE OF 1.5m FROM DRIVEWAYS, PRAM CROSSINGS AND DRAINAGE PITS.
  - COUNCIL/VICROADS WILL BE RESPONSIBLE FOR THE PAYMENT OF TARIFFS.
  - INSTALLATION OF PUBLIC LIGHTING IS AS SHOWN IN THE TABLE AND INSTALLATION OF CABLES IS AS SHOWN ON PUBLIC LIGHTING SCHEMATIC.
  - WORKS UNDERNEATH ROADS OR WHICH FALL WITHIN THE DRILINE OF TREES ARE TO BE UNDERBORED.
  - ALL EXCAVATIONS ARE TO BE REINSTATED TO ORIGINAL PRE-DISTURBED CONDITION IN ACCORDANCE WITH THE RELEVANT AUTHORITIES STANDARDS.
  - GRASSED SECTIONS ARE TO BE REINSTATED WITH 100mm OF TOP SOIL AND RE-SEEDED.

- LEGEND
- 80W HV LANTERN EXISTING & PROPOSED ON 7m/10m STEEL COLUMN (UOS)
  - 150W HPSV LANTERN EXISTING & PROPOSED
  - 250W HPSV LANTERN EXISTING & PROPOSED
  - 400W HPSV LANTERN EXISTING & PROPOSED
  - HV LANTERN EXISTING (WATTAGE SPECIFIED)
  - POLE, EXISTING & PROPOSED
  - EXISTING LV, HV & LV POLES
  - PREFABRICATED LIGHTING POLE
  - SERVICE PIT
  - VIC. ROADS PIT
  - UNDERGROUND PUBLIC LIGHTING CABLE IN 40mm OD CONDUIT
  - UNDERGROUND SERVICE IN 63mm OD CONDUIT
  - OVERHEAD SERVICE
  - FUSED OVERHEAD LINE CONNECTOR BOX PHASE 1
  - FUSED OVERHEAD LINE CONNECTOR BOX PHASE 3
  - BKT INCLINED
  - DRL DOUBLE
  - C CONCRETE POLE
  - STL STEEL POLE
  - MH MOUNTING HEIGHT
  - EX EXISTING
  - NEW
  - REMOVE
  - JOINT USE POLE
  - JOINT USE HAST ARM
  - UNLESS OTHERWISE SHOWN
  - WOOD
  - 42W CFL
  - 32W CFL
  - 2 x 14W TS
  - 2 x 24W TS
  - 100W HPS
  - SLIP BASE POLE
  - IMPACT ABSORBENT POLE

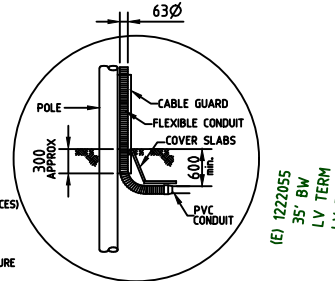
LEGEND (O/H)

- 66kV/22kV/LV POLE
- HV POLE
- HV & LV POLE
- LV POLE (PROV HV)
- LV POLE
- SINGLE POLE SUBSTATION
- GROUND TYPE SUBSTATION
- HV CABLEHEAD
- LV CABLEHEAD
- SWITCH AND/OR FUSE POLE
- LV OPEN POINT / BREAK
- HV OPEN POINT / BREAK
- HV EARTH
- JOINT USE POLE
- REMOVE EXISTING POLE
- SERVICE CABLE
- COMMS PIT
- GROUND STAY
- REMOVE STAY
- AERIAL STAY (ARROW COUNTERING FORCES)
- SUBSD CTT INSULATOR SIDE
- PUBLIC LIGHT EXISTING, NEW
- SERVICE PIT
- LENGTH/STRENGTH/NEW, EXISTING, RETIRE / REMOVE, FUTURE



TYPICAL SERVICE PIT ARRANGEMENT FOR FRANGIBLE P/L POLES (SLIP BASE OR IMPACT ABSORBENT) N.T.S. UNLESS OTHERWISE SHOWN

CONDUIT DETAIL AT CABLEHEAD POLE FOR P/L & SERVICE CABLES



- NOTES
- DESIGN BY DEVELOPER.
  - CONSTRUCTION BY DEVELOPER.
  - ALL FITTINGS SHALL BE STANDARD.

REFERENCE	DESCRIPTION	DATE	BY	CHECKED	APPROVED
D	RE POLE 2601709626 REMOVED, AN INLET IS INSTALLED	17.02.17	...	...	...
C	AS-BUILT DETAILS ADDED BY (UVI) (PROJ:75036090)	27.02.17	...	...	...
B	POINT OF SUPPLY & CONDUITS MODIFIED	27.02.17	...	...	...
A	OBJECTIVE 1ST ISSUE	03.08.17	...	...	...

PUBLIC LIGHTING PLAN  
LINCOLN ROAD - STAGE 1  
DORSET ROAD TO HULL ROAD  
CROYDON

Project Manager: B. SHARROCK  
Project Manager Pk: (03) 9238 6342  
Scale: 1:500  
Project No: 75060359  
Drawing No: VE15/75036090/2